

2006 Milwaukee County SurvNet West Nile Virus (WNV) Human Surveillance

As of May 1, 2006, and continuing through November 15, 2006, the Milwaukee Health Department Disease Control and Prevention Division and SurvNet, in cooperation with the Wisconsin Division of Public Health (WDPH), resumed human surveillance for arboviral diseases, particularly WNV. In 2005, SurvNet received eight confirmed reports of WNV.

Mosquito and dead and sick bird surveillance, as well as mosquito control, are also being conducted. Municipalities in Milwaukee County are working with Marshfield Clinic to conduct mosquito surveillance. Last year, 385 sick or dead birds were reported in the county and 16 WNV positive mosquito pools were captured.

As part of enhanced human surveillance, we are asking you to report patients that test positive for any of the mosquito-borne viruses found in Wisconsin. These viruses include:

- WNV
- LAC encephalitis virus
- Eastern equine encephalitis (EEE) virus
- St. Louis encephalitis (SLE) virus

The Wisconsin State Laboratory of Hygiene (WSLH) is providing fee-for-service testing and will accept patient samples of serum or cerebrospinal fluid (CSF) without the need to meet clinical criteria. Fee-exempt testing is also provided for patients meeting select criteria.

The WSLH diagnostic testing includes the MAC (capture) ELISA test that identifies IgM antibodies in serum and CSF specific to the above-mentioned mosquito-borne viruses. With WDPH or WSLH approval, confirmatory testing on a small sample of positive specimens and those with unusual or equivocal results will be performed using plaque-reduction neutralization testing (PRNT).

See the following attachments for detailed information on arboviral testing and case definitions and classifications, as well as the WSLH specimen submission form and the Wisconsin Division of Health's arbovirus follow up form (CDES 103).

As a reminder, all confirmed/suspected Arboviral Infections are mandated state reportable diseases. Please report patients living in Milwaukee County to **SurvNet at 414-286-3624 (phone) or 414-286-0280 (Fax)**. Patients outside of Milwaukee County should be reported to their local health departments. For questions related to arboviral human surveillance and/or disease reporting, please call Jill LeStarge at 414-286-3608. For questions related to arboviral environmental surveillance please call Dave Campbell at 414-286-5488. Additional information can be found at the City of Milwaukee Health Department website at <http://www.milwaukee.gov/wnv>

